



Premium 6000 AW 46

DESCRIPTION:

Premium 6000 AW 46 Hydraulic Oil is a premium quality antiwear hydraulic fluid designed to provide optimal protection in high pressure applications. **Premium 6000 AW 46 Hydraulic Oil** is formulated to provide rust protection as well as foam inhibition. **Premium 6000 AW 46 Hydraulic Oil** has excellent oxidation resistance and provides superior antiwear protection. **Premium 6000 AW 46 Hydraulic Oil** has a dielectric strength above 35kV and is non-conductive.

FEATURES/BENEFITS:

- Typically 6,000 hours drain interval
- Specifically designed to maximize protection to hydraulic pump and their parts
- Formulated with highly refined, high viscosity index base stocks
- Provide excellent demulsibility and rust protection
- Antiwear additives create a protective film on metal surfaces
- Helps minimize metal to metal contact that is most severe in vane and gear pumps
- Minimum viscosity changes over a wide range of temperatures
- Superior filterability is provided with excellent thermal and hydrolytic stability thus preventing the formation of deposits which may interfere with filtration in equipment that has close tolerances.

APPLICATIONS:

Premium 6000 AW 46 Hydraulic Oil is recommended for hydraulic systems that have vane, piston or gear type pumps and particularly where pressures exceed 1000 psi.

Premium 6000 AW 46 Hydraulic Oil can also be used to lubricate lightly loaded reciprocating compressors and as general purpose shop lubricants for motors and bearings. **Premium 6000 AW 46 Hydraulic Oil** meets all major pump manufacturers' requirements.

Meets Performance Requirements:

- ASTM D6158 HL, HM, & HV
- Bosch Rexroth RDE 90220 and RDE-90235
- Chinese standard GB 11118.1 L-HL & L-HM High- pressure and General
- Danieli 0.000.001 Type 10 & 11
- DIN 51524 PART 1,2, & 3
- Eaton Brochure 03-401-2010
- Eaton Lubricant Specification E-FDGN-TB002-E
- Fives Cincinnati P-68, P-69 & P-70
- GM LS-2 Antiwear Hydraulic Oil
- ISO 11158 HL, HM, & HV
- JCMAS HK P041
- Parker Denison HF-1, HF-2, & HF-0
- SAE MS1004



- SWEDISH STANDARD SS 155434:2015
- U.S. Steel 126
- ZF TE-ML 07H, ZF TE-ML 21M
- Vickers M-2950 & I-286-S

* ALWAYS CONSULT YOUR OWNER'S MANUAL FOR THE PROPER FLUID FOR YOUR EQUIPMENT.

TYPICAL TEST DATA

ISO GRADE	46
Specific Gravity @ 60 °F	0.8643
Viscosity, Kinematic cSt at 40°C	46.1
Viscosity, Kinematic cSt at 100°C	7.6
Viscosity Index	134
Flash Point, °F	403
Pour Point, °C (°F)	-19 (-2.2)
Color	1.0
Oxidation Stability, Hours to 2.0 AN, ASTM D 943	6000
Zinc, ppm	740

Typical test data are average values only. Minor variations which do not affect product performance are to be expected during normal manufacturing.